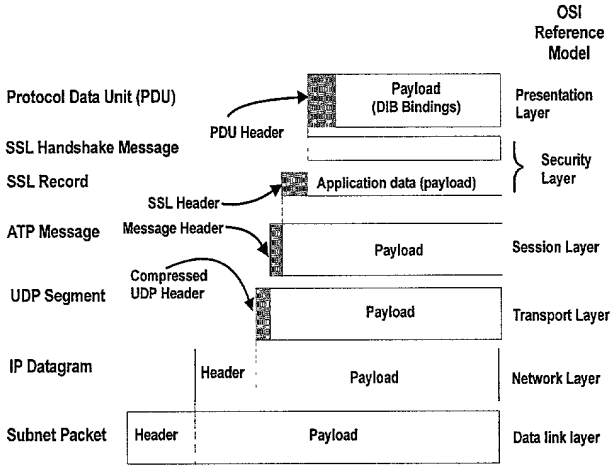


Figure 1

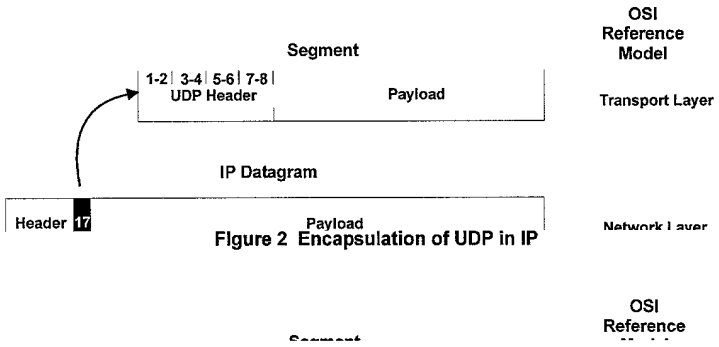


Figure 2 Encapsulation of UDP in IP

OSI Reference

Figure 2

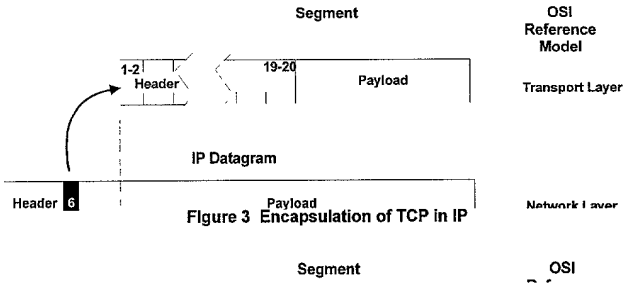


Figure 3 Encapsulation of TCP in IP

Figure 3

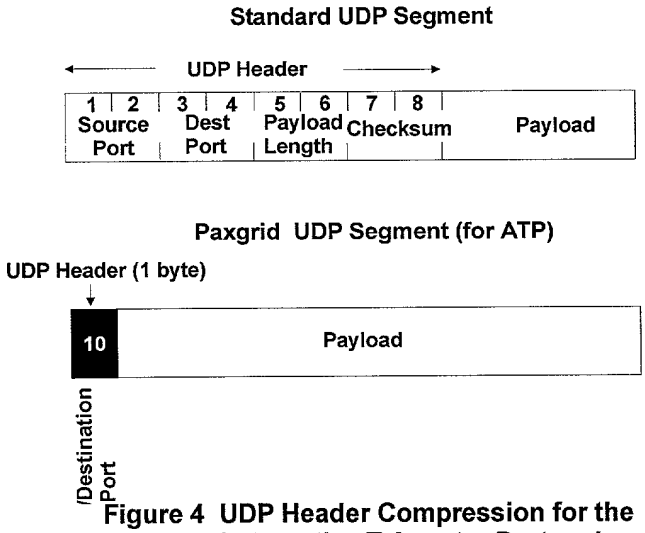
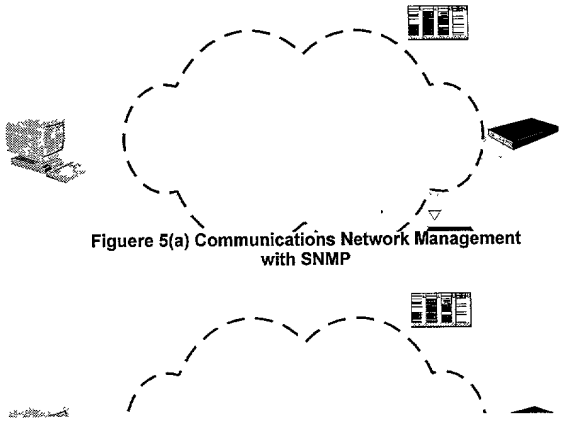


Figure 4 UDP Header Compression for the Automotive Telemetry Protocol

Figure 4



Figuere 5(a) Communications Network Management with SNMP

Figure 5a

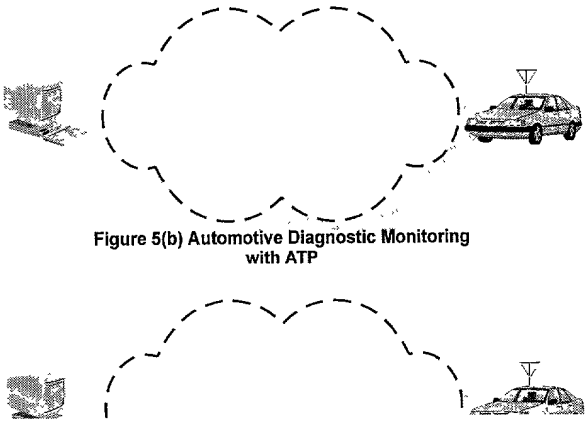


Figure 5(b) Automotive Diagnostic Monitoring with ATP

Figure 5b

Doc #:DC01 (13407-00001) 4120618v1;12/14/2001/Time:9:44

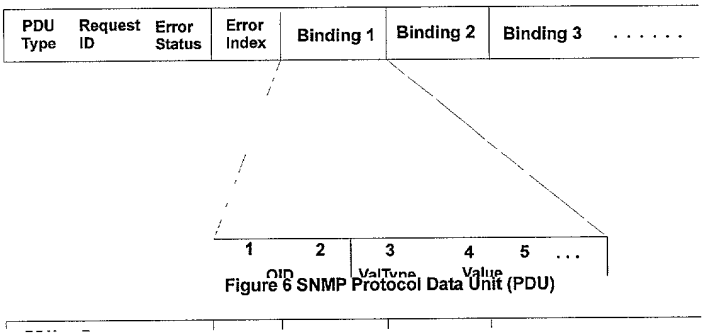


Figure 6 SNMP Protocol Data Unit (PDU)

Figure 6

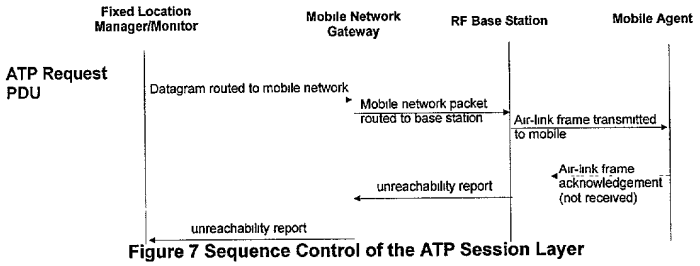


Figure 7 Sequence Control of the ATP Session Layer

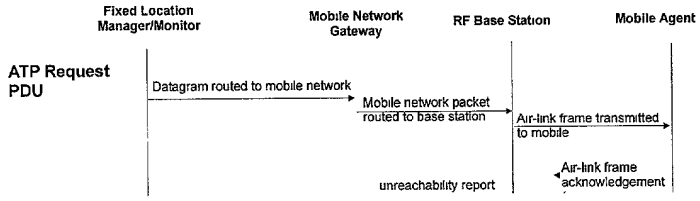


Figure 7

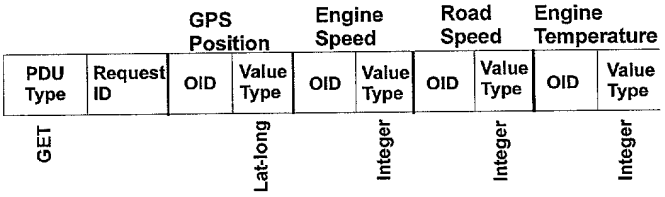


Figure 8

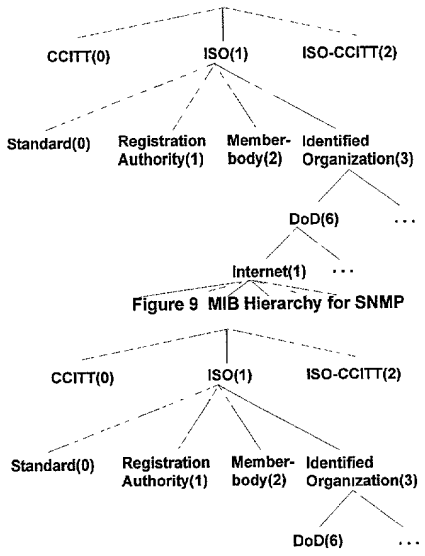


Figure 9 MIB Hierarchy for SNMP

Figure 9

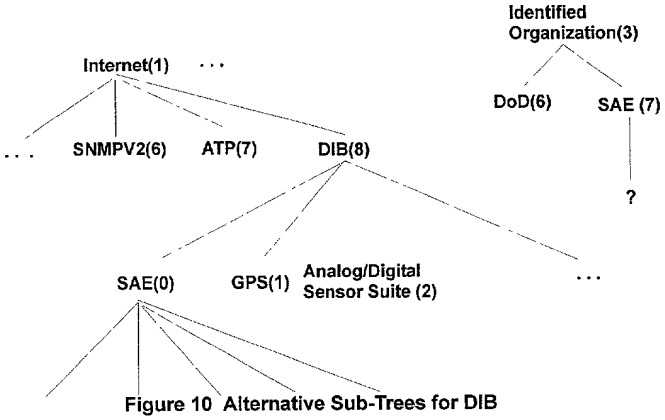


Figure 10 Alternative Sub-Trees for DIB

Figure 10

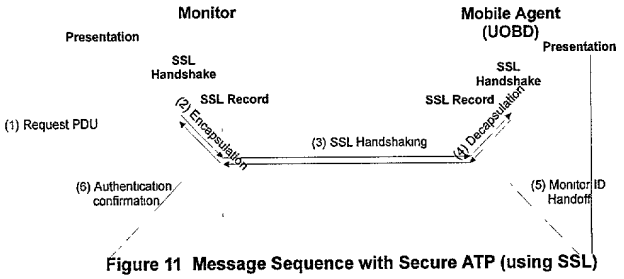


Figure 11 Message Sequence with Secure ATP (using SSL)

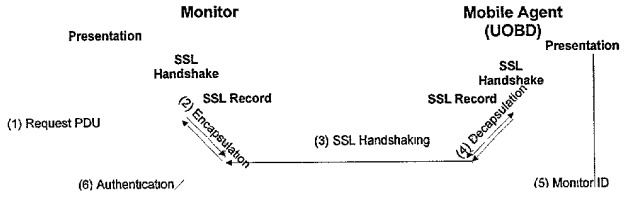


Figure 11

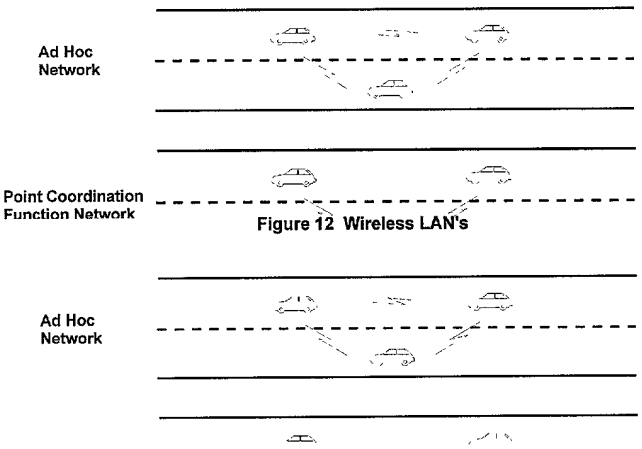


Figure 12 Wireless LAN's

Figure 12

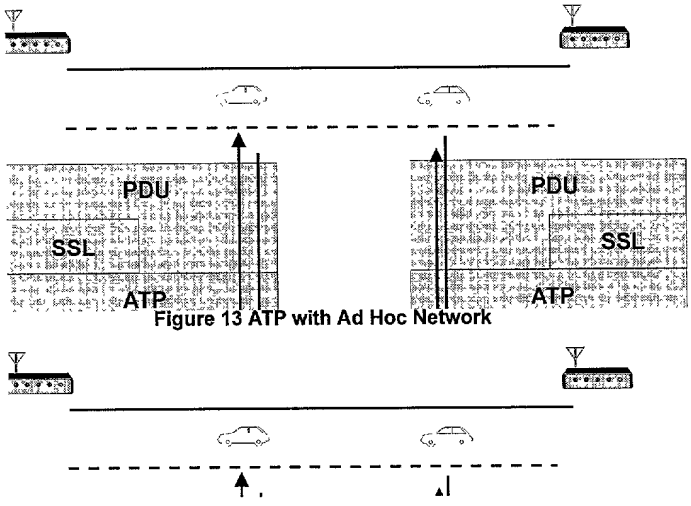


Figure 13 ATP with Ad Hoc Network

Figure 13

Doc #:DC01 (13407-00001) 4120618v1;12/14/2001/Time:9:44

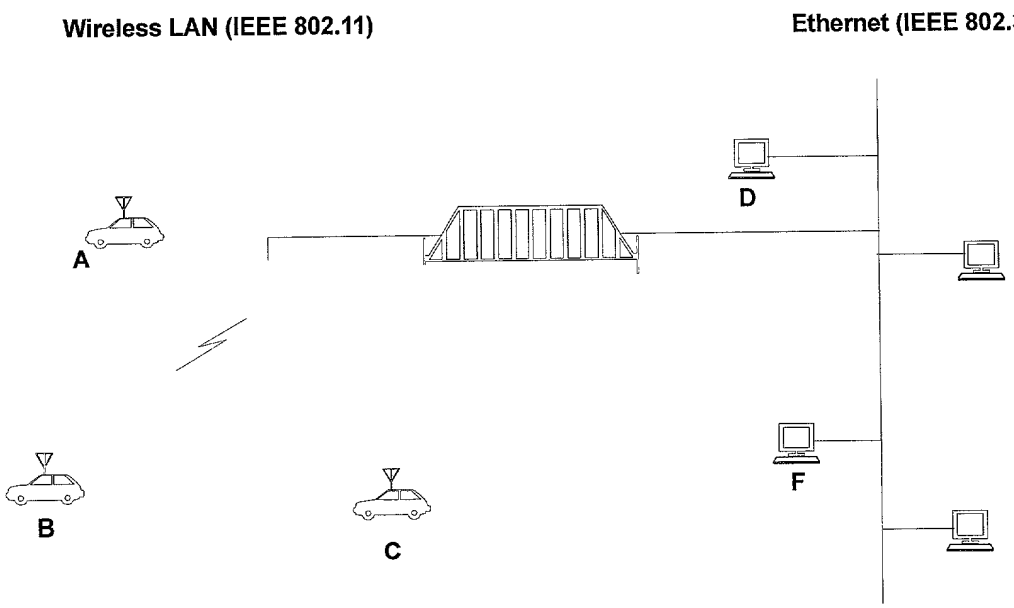


Figure 14

Express Mail Label No. EV 044 168 100 US

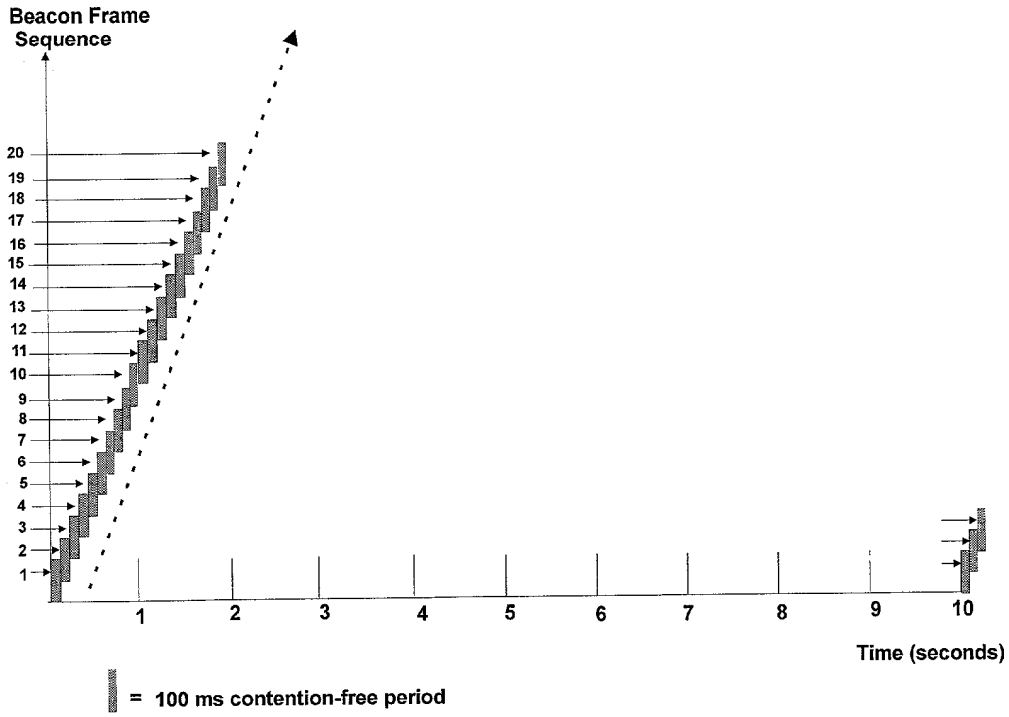


Figure 15

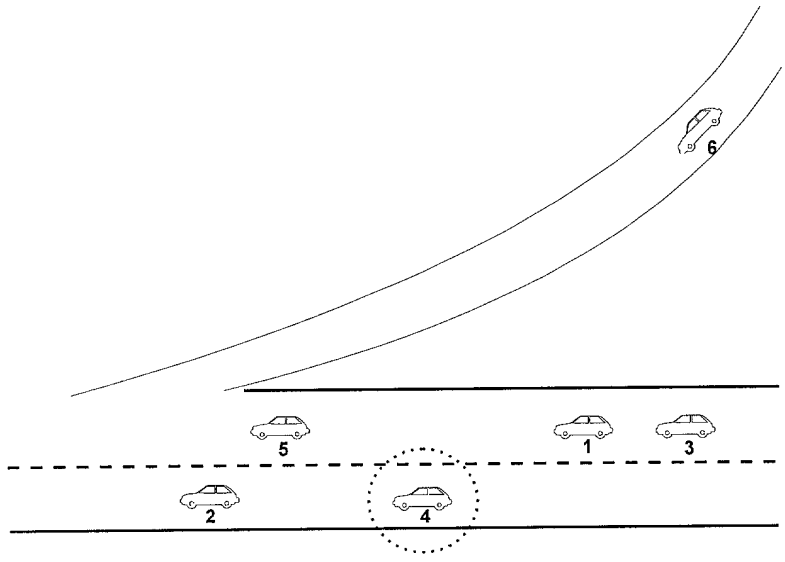


Figure 16a

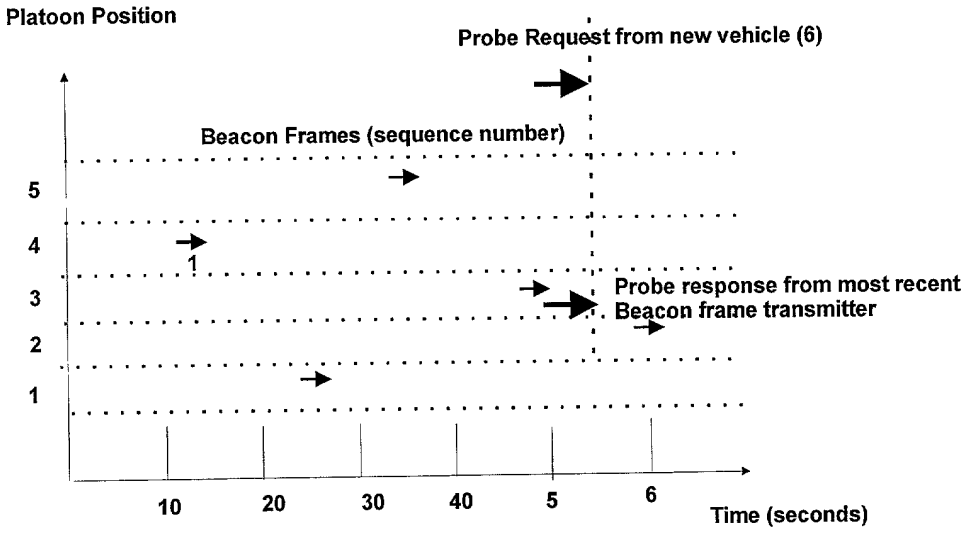

Platoon Position
Probe Request from new vehicle (6)
Beacon Frames (sequence number)
5
4
1
3
2
1
Probe response from most recent
Beacon frame transmitter
10
20
30
40
5
6
Time (seconds)

Figure 16b

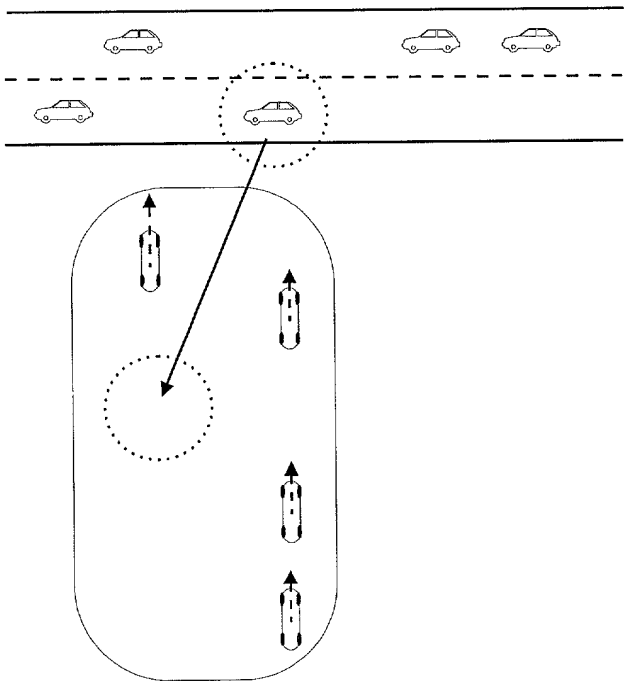


Figure 17

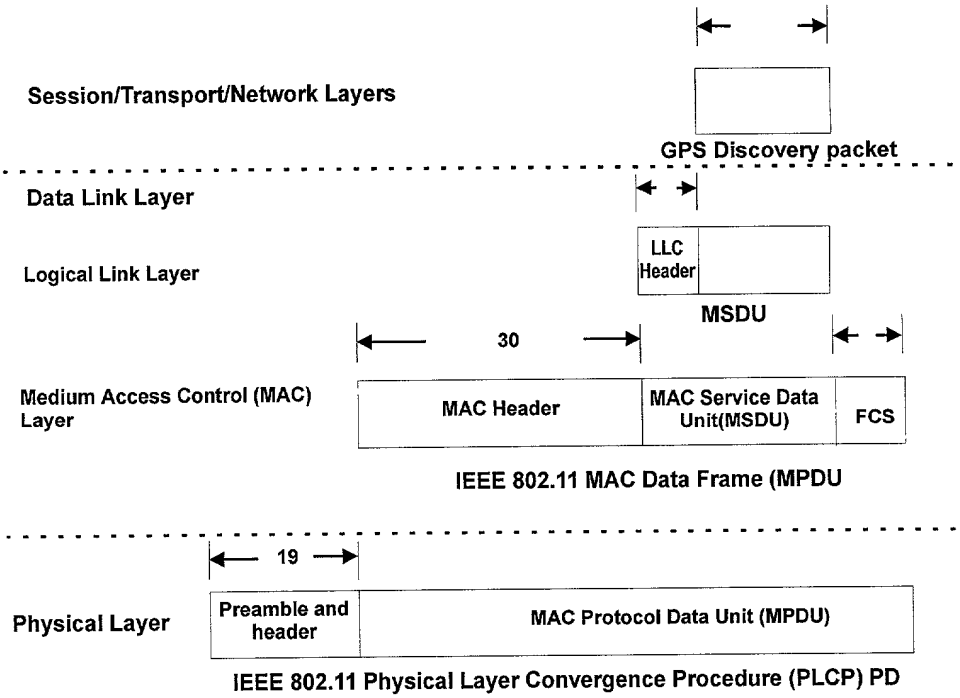


Figure 18

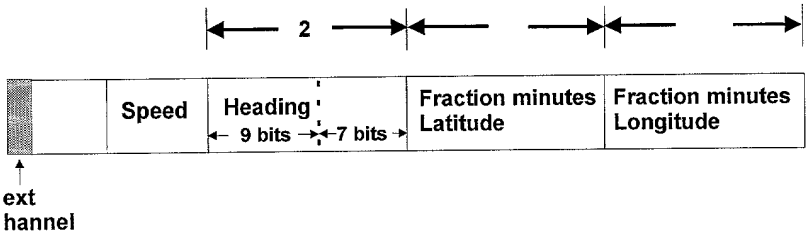


Figure 19

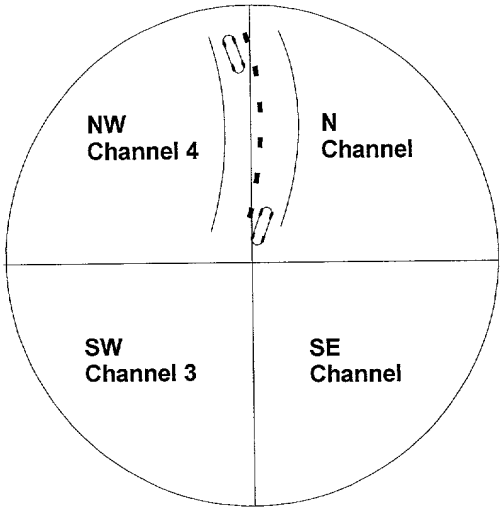


Figure 20

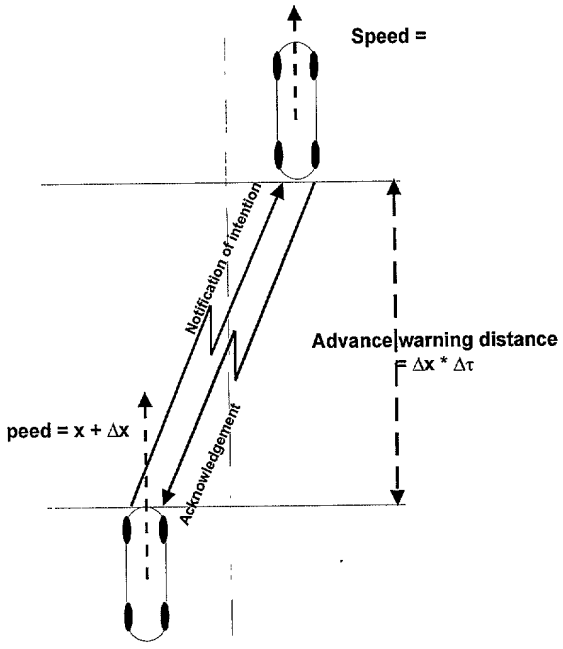


Figure 21

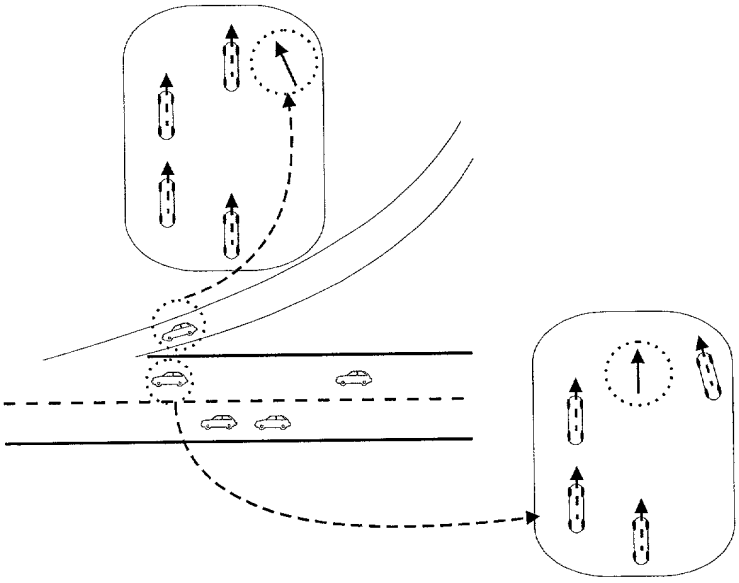


Figure 22